

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAJYC1621

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	3	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	4	AUG 13	CA/CAPLUS enhanced with additional kind codes for granted patents
NEWS	5	AUG 20	CA/CAPLUS enhanced with CAS indexing in pre-1907 records
NEWS	6	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	7	AUG 27	USPATOLD now available on STN
NEWS	8	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	9	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	10	SEP 13	FORIS renamed to SOFIS
NEWS	11	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	12	SEP 17	CA/CAPLUS enhanced with printed CA page images from 1967-1998
NEWS	13	SEP 17	CAPLUS coverage extended to include traditional medicine patents
NEWS	14	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	15	OCT 02	CA/CAPLUS enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	16	OCT 19	BEILSTEIN updated with new compounds
NEWS	17	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	18	NOV 19	WPIX enhanced with XML display format
NEWS	19	NOV 30	ICSD reloaded with enhancements
NEWS	20	DEC 04	LINPADOCDB now available on STN
NEWS	21	DEC 14	BEILSTEIN pricing structure to change
NEWS	22	DEC 17	USPATOLD added to additional database clusters
NEWS	23	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	24	DEC 17	DGENE now includes more than 10 million sequences
NEWS	25	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	26	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS	27	DEC 17	CA/CAPLUS enhanced with new custom IPC display formats
NEWS	28	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	29	JAN 02	STN pricing information for 2008 now available
NEWS	30	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS EXPRESS	19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 13:52:50 ON 24 JAN 2008

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 13:52:59 ON 24 JAN 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 23 JAN 2008 HIGHEST RN 1000668-36-9

DICTIONARY FILE UPDATES: 23 JAN 2008 HIGHEST RN 1000668-36-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

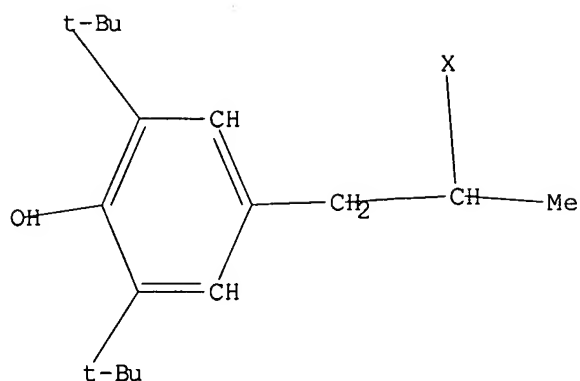
Uploading C:\Documents and Settings\jcho2\My Documents\10530572-j.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 sss full
FULL SEARCH INITIATED 13:53:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 448 TO ITERATE
```

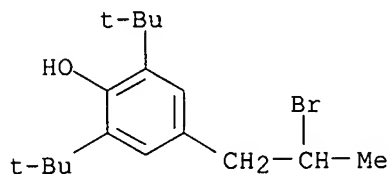
```
100.0% PROCESSED 448 ITERATIONS
SEARCH TIME: 00.00.01
```

1 ANSWERS

```
L2 1 SEA SSS FUL L1
```

```
=> d scan
```

```
L2 1 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Phenol, 4-(2-bromopropyl)-2,6-bis(1,1-dimethylethyl)-
MF C17 H27 Br O
```



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

```
=> file caplus
COST IN U.S. DOLLARS
```

SINCE FILE	TOTAL
ENTRY	SESSION
178.36	178.57

```
FULL ESTIMATED COST
```

```
FILE 'CAPLUS' ENTERED AT 13:53:41 ON 24 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)
```

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December

26, 1996), unless otherwise indicated in the original publications.  
The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 24 Jan 2008 VOL 148 ISS 4  
FILE LAST UPDATED: 23 Jan 2008 (20080123/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.  
They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 12

L3 2 L2

=> d 13 1-2 bib abs hitstr

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1974:82202 CAPLUS

DN 80:82202

OREF 80:13221a,13224a

TI Direction of acid-catalyzed ring opening of substituted spirocyclopropylcyclohexadienones

AU Schwartz, Leonard H.; Flor, Richard V.; Gullo, Vincent P.

CS City Coll., City Univ. New York, New York, NY, USA

SO Journal of Organic Chemistry (1974), 39(2), p 219-22

CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA English

GI For diagram(s), see printed CA Issue.

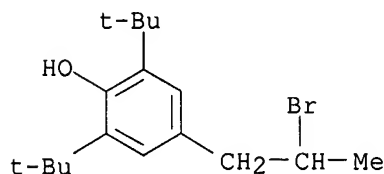
AB The reactions of spiro compds. (I and II) with various acidic reagents were reinvestigated. In agreement with previous work, but in disagreement with that which would be concluded by using structural assignments from the literature, the cyclopropyl ring is shown to open from the more substituted side. The reason for the confusion is traced to the occurrence of an aryl rearrangement, undetected by the previous investigators.

IT 20023-76-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 20023-76-1 CAPLUS

CN Phenol, 4-(2-bromopropyl)-2,6-bis(1,1-dimethylethyl)- (CA INDEX NAME)



L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1968:496040 CAPLUS

DN 69:96040

OREF 69:17951a

TI Opening of the alkane ring spirane cyclohexadienes

AU Belostotskaya, I. S.; Volod'kin, A. A.; Ershov, V. V.

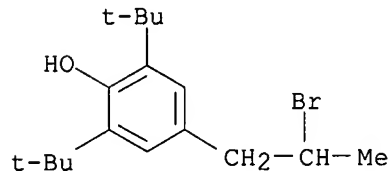
CS Inst. Khim. Fiz., Moscow, USSR

SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1968), (5), 1087-93

CODEN: IASKA6; ISSN: 0002-3353

DT Journal  
LA Russian  
AB Keeping 4,6-di-tert-butylspiro[2.5]octa-3,6-dien-5-one (I) in EtCO<sub>2</sub>H 0.5 hr. at room temperature gave 4-hydroxy-3,5-di-tert-butylphenylethyl (II) propanoate, m. 81-2°. I and p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H in dry Me<sub>2</sub>CO 1 day at 20° gave the corresponding II tosylate, m. 108-9°, while I and picric acid in dry Et<sub>2</sub>O 0.5 hr. gave II picrate, m. 131-3°. I and 1 mole AlCl<sub>3</sub> in Et<sub>2</sub>O 0.5 hr. gave 87% 4-(β-chloroethyl)-2,6-di-tert-butylphenol, m. 64-5°; AlBr<sub>3</sub> gave the corresponding bromoethyl analog, m. 79-80°, in 79% yield. I and BF<sub>3</sub>.Et<sub>2</sub>O in 1 day gave an insol. tar, while an aqueous treatment gave 4-hydroxy-3,5-di-tert-butylphenylethanol, m. 100-1°. I and piperidinylmagnesium bromide heated 2 hrs. in Et<sub>2</sub>O gave 79% N-(4-hydroxy-3,5-di-tert-butylphenylethyl)piperidine, m. 45-6°, which also formed from 4-β-bromoethyl-2,6-di-tert-butylphenol and piperidine in Et<sub>2</sub>O overnight. 1-Methyl-4,6-di-tert-butylspiro[2.5]octa-3,6-dien-5-one and 10% H<sub>2</sub>SO<sub>4</sub> in aqueous Me<sub>2</sub>CO gave 82% 1-methyl-2-(4-hydroxy-3,5-di-tert-butylphenyl)-1-ethanol, m. 86-8°; similar reaction with HBr in Et<sub>2</sub>O gave 74% 4-β-bromopropyl-2,6-di-tert-butylphenol, m. 55-6°, also from the same spirodienone and MgBr<sub>2</sub>, or from heating with LiBr in Me<sub>2</sub>CO 1-methyl-2-(4-hydroxy-3,5-di-tert-butylphenyl)-1-ethyl tosylate. 1,1-Dimethyl-4,6-di-tert-butylspiro[2.5]octa-3,6-dien-5-one in aqueous Me<sub>3</sub>COH 2 hrs. gave 1,1-dimethyl-2-(4-hydroxy-3,5-di-tert-butylphenyl)-1-ethanol, m. 150-2°, in 71% yield.

IT 20023-76-1P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 20023-76-1 CAPLUS  
CN Phenol, 4-(2-bromopropyl)-2,6-bis(1,1-dimethylethyl)- (CA INDEX NAME)



## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2250	liquid adj crystal adj medium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/24 15:55
L2	3703	electro adj optical adj display	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/24 15:55
L3	482	I1 and I2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/24 15:55
L4	314	I1 same I2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/24 15:55
L5	292	I1 with I2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/24 15:55
L6	132	I1 near I2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/24 15:55
L7	6913	free adj radical adj scavenger	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/24 15:56
L8	0	I7 and I6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/24 15:56

## EAST Search History

L9	8	I7 and I3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/01/24 15:56
S1	2	("0834906").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/07/05 10:17
S2	2	("0834906").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/11 11:17
S3	6	((("0583181") or ("2289497"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/11 11:21
S4	1	("9111994").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/11 13:35
S5	2	("4172151").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/11 13:48
S6	0	be834906	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/11 13:48
S7	0	(be "834906")	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/11 13:48
S8	0	(be "834906")	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/11 13:48
S9	0	"be 834906"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/11 13:49

## EAST Search History

S10	8	((("0834906") or ("0583181") or ("2289497")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/11 13:55
S11	5	("2006081813").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/11 13:56
S12	5	("2006081813").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/11 13:59
S13	5	("2004033406").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/11 14:03
S14	5	("2005092966").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/11 14:03
S15	1	("7153550").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/11 14:04
S16	2	("2003186002").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/11 14:05
S17	4	("10250844").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/11 14:08
S18	7	("chiral phenol" or "chiral phenols") and ("liquid crystal" or "liquid-crystal")	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/11 14:17
S19	30	"cholesteric" and (stabilizer or stabiliser) and ("liquid crystal" or "liquid-crystal") and scavenger	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/11 15:33



## EAST Search History

S20	2	("4826620" "6444278").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/11 15:33
S21	3	("4826620" "6153722" "6444278").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/16 13:36
S22	1	("4758501").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/01/16 13:50
S23	1	("4038250").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/01/16 15:01
S24	140	(568/362).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/01/16 15:26
S25	228	(568/642).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/01/16 15:27
S26	55	S25 and chiral	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/16 15:27
S27	229	(568/642).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/07/03 15:33
S28	4	"6433074"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 10:19
S29	9	"6348514"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 10:20
S30	3	"5571453"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 10:21

## EAST Search History

S31	5	"5143943"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 10:21
S32	9	"5487893"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 10:22